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SEQUENCE LISTING

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<110> Yamamoto, Hiroaki
Onodera, Keiko
Tani, Yoshiki
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<120> NOVEL (R)-2,3-BUTANEDIOL DEHYDROGENASE

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acggacttga aagaattcac atattctgga ggtcctgttt ttttccctaa acaaggcacc
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aaggacaaga tttcgggata cgaacttcct ctctgtcctg gacatgaatt tagcggaacg
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gtggtcgagg ttggctctgg tgtcacaagt gtgaaacctg gtgacagagt cgcagttgaa
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gctacgtcgc attgctccga cagatcgcgc tacaaggaca cggtcgccca agaccttggg
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gatcetteta catgtgacga egcaaatget gtteteaagg etatggtgee ggagaacgag
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 gcgcgcaaga tgattacagg caaagtccac ctaaaggacg gagtcgagaa gggctttaaa
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Ser Gly Gly Pro Val Phe Phe Pro Lys Gln Gly Thr Lys Asp Lys Ile
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Ser Gly Tyr Glu Leu Pro Leu Cys Pro Gly His Glu Phe Ser Gly Thr
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Val Val Glu Val Gly Ser Gly Val Thr Ser Val Lys Pro Gly Asp Arg
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Val Ala Val Glu Ala Thr Ser His Cys Ser Asp Arg Ser Arg Tyr Lys
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Asp Thr Val Ala Gln Asp Leu Gly Leu Cys Met Ala Cys Gln Ser Gly
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Ser Pro Asn Cys Cys Ala Ser Leu Ser Phe Cys Gly Leu Gly Gly Ala
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Ser Gly Gly Phe Ala Glu Tyr Val Val Tyr Gly Glu Asp His Met Val
                                       155
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Lys Leu Pro Asp Ser Ile Pro Asp Asp Ile Gly Ala Leu Val Glu Pro
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Ile Ser Val Ala Trp His Ala Val Glu Arg Ala Arg Phe Gln Pro Gly
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Gln Thr Ala Leu Val Leu Gly Gly Gly Pro Ile Gly Leu Ala Thr Ile
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Leu Ala Leu Gln Gly His His Ala Gly Lys Ile Val Cys Ser Glu Pro
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Ala Leu Ile Arg Arg Gln Phe Ala Lys Glu Leu Gly Ala Glu Val Phe
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Asp Pro Ser Thr Cys Asp Asp Ala Asn Ala Val Leu Lys Ala Met Val
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Pro Glu Asn Glu Gly Phe His Ala Ala Phe Asp Cys Ser Gly Val Pro
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Gln Thr Phe Thr Thr Ser Ile Val Ala Thr Gly Pro Ser Gly Ile Ala
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Val Asn Val Ala Val Trp Gly Asp His Pro Ile Gly Phe Met Pro Met
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Ser Leu Thr Tyr Gln Glu Lys Tyr Ala Thr Gly Ser Met Cys Tyr Thr
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Val Lys Asp Phe Gln Glu Val Val Lys Ala Leu Glu Asp Gly Leu Ile
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Ser Leu Asp Lys Ala Arg Lys Met Ile Thr Gly Lys Val His Leu Lys
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tgctgtgcgt cgctgagctt ctgcggtttg ggtggtgca gcggcggttt tgccgagtac gtcgtttacg gtgaggacca catggtcaag ctgccagact cgattcccga cgatattgga gcactggttg agcctatttc tgttgcctgg catgctgttg aacgcgctag attccagcct ggtcagacgg ccctggttct tggaggaggt cctatcggcc ttgccaccat tcttgctctg caaggccatc atgcgggcaa aattgtgtgt tccgagccgg ccttgatcag aagacagttt gcaaaggaac tgggcgctga agtgttcgat ccttcacat gtgacgacgc aaatgctgtt ctcaaggcta tggtgccgga gaacgaggga ttccacgccg ccttcgatga	180 240 300 360 420 480 530
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